

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-089777
 (43)Date of publication of application : 15.04.1991

(51)Int. Cl. H04N 1/40
 G06F 15/68

(21)Application number : 01-227843 (71)Applicant : FUJITSU LTD
 (22)Date of filing : 01.09.1989 (72)Inventor : TANIHIRO YOSHINARI

(54) BINARY PICTURE CONVERSION DEVICE

(57)Abstract:

PURPOSE: To reduce the cost of a binary picture conversion device by converting the register matrix of $N \times N$ into the matrix of $M \times S$, and realizing the dither matrix of $M \times M$ outwardly.

CONSTITUTION: A storage means 1 stores the threshold data of the dither matrix of N -lines \times M -rows, and a transferring means 3 transfers the threshold data of the storage means 1 to a register group 2 by a line unit, and a selecting means 4 selects the corresponding threshold data from the register group 2 synchronizing with that the picture data of a picture with gradation is scanned in a main scanning direction and is read out, and a comparing means 5 compares the read out picture data with the threshold data selected by the selecting means 4. Then, the picture data of the picture with the gradation is compared with the threshold data of the dither matrix of N -lines \times M -rows through N -pieces, at least, of the register groups 2, and the register matrix of $N \times M$ is converted into the matrix of $M \times S (=N \times N)$, and the dither matrix of $M \times M$ is realized outwardly, and the picture data is binarized. Thus, the binary picture conversion of low cost and high efficiency can be executed.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Best Available Copy

Copyright (C); 1998,2003 Japan Patent Office

[First Hit](#) [Previous Doc](#) [Next Doc](#) [Go to Doc#](#)**End of Result Set**

Generate Collection

Print

L1: Entry 2 of 2

File: JPAB

Apr 15, 1991

PUB-NO: JP403089777A
DOCUMENT-IDENTIFIER: JP 03089777 A
TITLE: BINARY PICTURE CONVERSION DEVICE

PUBN-DATE: April 15, 1991

INVENTOR-INFORMATION:

NAME

TANIHIRO, YOSHINARI

COUNTRY

ASSIGNEE-INFORMATION:

NAME

FUJITSU LTD

COUNTRY

APPL-NO: JP01227843

APPL-DATE: September 1, 1989

INT-CL (IPC): H04N 1/40; G06F 15/68

ABSTRACT:

PURPOSE: To reduce the cost of a binary picture conversion device by converting the register matrix of $N \times N$ into the matrix of $M \times S$, and realizing the dither matrix of $M \times M$ outwardly.

CONSTITUTION: A storage means 1 stores the threshold data of the dither matrix of N -lines \times M -rows, and a transferring means 3 transfers the threshold data of the storage means 1 to a register group 2 by a line unit, and a selecting means 4 selects the corresponding threshold data from the register group 2 synchronizing with that the picture data of a picture with gradation is scanned in a main scanning direction and is read out, and a comparing means 5 compares the read out picture data with the threshold data selected by the selecting means 4. Then, the picture data of the picture with the gradation is compared with the threshold data of the dither matrix of N -lines \times M -rows through N -pieces, at least, of the register groups 2, and the register matrix of $N \times M$ is converted into the matrix of $M \times S (=N \times N)$, and the dither matrix of $M \times M$ is realized outwardly, and the picture data is binarized. Thus, the binary picture conversion of low cost and high efficiency can be executed.

COPYRIGHT: (C) 1991, JPO&Japio

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)**Best Available Copy**